What is Claimed is:

1. A portable reading light for mounting on a user's body, comprising:

an illumination unit;

a light body, comprising:

a light base having a battery compartment for receiving a replaceable battery therein to electrically connect to said illumination unit;

a light housing, having a transparent window, wherein said illumination unit is received in said light housing and is capable of producing light to outside through said transparent window; and

a pivot arm having a coupling end extended from said light housing and a pivot end pivotally connected to said light base in such a manner that said light housing is adapted to pivotally fold between a folded position and an unfolded position, wherein at said folded position, said pivot arm is pivotally folded towards said light base that said light housing is overlapped with said light base to form a compact structure, and at said unfolded position, said pivot arm is pivotally folded with respect to said light base that said light housing is outwardly extended from said light base to provide a projecting angle; and

a fastening device provided at a rear side of said light base for detachably fastening said light body on said user's body.

2. The portable reading light, as recited in claim 1, wherein said fastening device comprises a clipping member having one edge attached on said rear side of said light base to define a fastening cavity between said clipping member and said rear side of said light base, thereby, said light base is capable of securely clipping on an elongated belt by sliding said belt into said fastening cavity through an opening edge of said clipping member.

3. The portable reading light, as recited in claim 2, wherein said fastening device further has two T-shaped fastening slots formed at two side edge portions of said clipping member respectively to communicate with said fastening cavity, wherein said two T-shaped fastening slots are arranged for slidably engaging with said belt so as to fasten said light base on said user's body.

4. The portable reading light, as recited in claim 2, wherein said fastening device further a S-shaped fastening slot formed on said clipping member to communicate with said fastening cavity, wherein said S-shaped fastening slot is arranged for said belt slidably passing therethrough so as to fasten said light base on said user's body.

5. The portable reading light, as recited in claim 3, wherein said fastening device further a S-shaped fastening slot formed on said clipping member to communicate with said fastening cavity, wherein said S-shaped fastening slot is arranged for said belt slidably passing therethrough so as to fasten said light base on said user's body.

6. The portable reading light, as recited in claim 2, wherein said fastening device further has two through holes formed on said clipping member to communicate with said fastening cavity, wherein said through holes are arranged for an elongated cable slidably passing through, thereby, said portable reading light is capable of being worn on said user's body via said elongated cable.

7. The portable reading light, as recited in claim 5, wherein said fastening device further has two through holes formed on said clipping member to communicate with said fastening cavity, wherein said through holes are arranged for an elongated cable slidably passing through, thereby, said portable reading light is capable of being worn on said user's body via said elongated cable.

8. The portable reading light, as recited in claim 1, wherein said pivot arm, which is constructed as a hollow elongated member, further has an interior cavity provided between said coupling end of said pivot arm and said pivot end thereof, wherein an electric cable is extended from said battery compartment of said light base to said light housing through said interior cavity for electrically connecting said illumination unit with said replaceable battery.

9. The portable reading light, as recited in claim 7, wherein said pivot arm, which is constructed as a hollow elongated member, further has an interior cavity provided between said coupling end of said pivot arm and said pivot end thereof, wherein an electric cable is extended from said battery compartment of said light base to said light housing through said interior cavity for electrically connecting said illumination unit with said replaceable battery.

10. The portable reading light, as recited in claim 1, wherein said coupling end of said pivot arm is extended from a sidewall of said light housing and said pivot end of said pivot arm is rotatably mounted to a sidewall of said light base in such a manner that said pivot arm is pivotally folded to said folded position that said pivot arm is overlapped with said sidewall of said light base while said light housing is folded to overlap on a bottom side of said light base.

11. The portable reading light, as recited in claim 7, wherein said coupling end of said pivot arm is extended from a sidewall of said light housing and said pivot end of said pivot arm is rotatably mounted to a sidewall of said light base in such a manner that said pivot arm is pivotally folded to said folded position that said pivot arm is overlapped with said sidewall of said light base while said light housing is folded to overlap on a bottom side of said light base.

12. The portable reading light, as recited in claim 8, wherein said coupling end of said pivot arm is extended from a sidewall of said light housing and said pivot end of said pivot arm is rotatably mounted to a sidewall of said light base in such a manner that said pivot arm is pivotally folded to said folded position that said pivot arm is overlapped with said sidewall of said light base while said light housing is folded to overlap on a bottom side of said light base.

13. The portable reading light, as recited in claim 9, wherein said coupling end of said pivot arm is extended from a sidewall of said light housing and said pivot end of said pivot arm is rotatably mounted to a sidewall of said light base in such a manner that said pivot arm is pivotally folded to said folded position that said pivot arm is overlapped with said sidewall of said light base while said light housing is folded to overlap on a bottom side of said light base.

14. The portable reading light, as recited in claim 1, wherein said coupling end of said pivot arm is rotatably connected to said light housing and said pivot end of said pivot arm is rotatably mounted to a sidewall of said light base in such a manner that said pivot arm is pivotally folded to said folded position that said pivot arm is overlapped with said sidewall of said light base while said light housing is folded to overlap on a bottom side of said light base.

15. The portable reading light, as recited in claim 7, wherein said coupling end of said pivot arm is rotatably connected to said light housing and said pivot end of said pivot arm is rotatably mounted to a sidewall of said light base in such a manner that said pivot arm is pivotally folded to said folded position that said pivot arm is overlapped with said sidewall of said light base while said light housing is folded to overlap on a bottom side of said light base.

16. The portable reading light, as recited in claim 8, wherein said coupling end of said pivot arm is rotatably connected to said light housing and said pivot end of said pivot arm is rotatably mounted to a sidewall of said light base in such a manner that said pivot arm is pivotally folded to said folded position that said pivot arm is overlapped with said sidewall of said light base while said light housing is folded to overlap on a bottom side of said light base.

17. The portable reading light, as recited in claim 9, wherein said coupling end of said pivot arm is rotatably connected to said light housing and said pivot end of said pivot arm is rotatably mounted to a sidewall of said light base in such a manner that said pivot arm is pivotally folded to said folded position that said pivot arm is overlapped with said sidewall of said light base while said light housing is folded to overlap on a bottom side of said light base.

18. The portable reading light, as recited in claim 1, further comprising a switch control which comprises a switch button provided on said light housing to electrically connect to said illumination unit and a switching arm which is outwardly and integrally extended from said light base and is arranged in such a manner that when said light housing is folded into said folded position, said switching arm is driven to depress said switch button so as to switch off said illumination unit.

19. The portable reading light, as recited in claim 8, further comprising a switch control which comprises a switch button provided on said light housing to electrically connect to said illumination unit and a switching arm which is outwardly and integrally extended from said light base and is arranged in such a manner that when said light housing is folded into said folded position, said switching arm is driven to depress said switch button so as to switch off said illumination unit.

20. The portable reading light, as recited in claim 13, further comprising a switch control which comprises a switch button provided on said light housing to electrically connect to said illumination unit and a switching arm which is outwardly and integrally extended from said light base and is arranged in such a manner that when said light housing is folded into said folded position, said switching arm is driven to depress said switch button so as to switch off said illumination unit.

21. The portable reading light, as recited in claim 17, further comprising a switch control which comprises a switch button provided on said light housing to electrically connect to said illumination unit and a switching arm which is outwardly and integrally extended from said light base and is arranged in such a manner that when said light housing is folded into said folded position, said switching arm is driven to depress said switch button so as to switch off said illumination unit.

22. The portable reading light, as recited in claim 18, wherein said switch control further has a receiving indentation formed on said light housing at a position where said switch button is provided thereon, wherein when said switching arm is driven to depress on said switch button to switch off said illumination unit, said switching arm is fittingly received within said receiving indentation, so as to ensure a switch off position of said illumination unit.

23. The portable reading light, as recited in claim 19, wherein said switch control further has a receiving indentation formed on said light housing at a position where said switch button is provided thereon, wherein when said switching arm is driven to depress on said switch button to switch off said illumination unit, said switching arm is fittingly received within said receiving indentation, so as to ensure a switch off position of said illumination unit.

24. The portable reading light, as recited in claim 20, wherein said switch control further has a receiving indentation formed on said light housing at a position where said switch button is provided thereon, wherein when said switching arm is driven to depress on said switch button to switch off said illumination unit, said switching arm is fittingly received within said receiving indentation, so as to ensure a switch off position of said illumination unit.

25. The portable reading light, as recited in claim 21, wherein said switch control further has a receiving indentation formed on said light housing at a position where said switch button is provided thereon, wherein when said switching arm is driven to depress on said switch button to switch off said illumination unit, said switching arm is fittingly received within said receiving indentation, so as to ensure a switch off position of said illumination unit.

26. A portable reading light for a vehicle, comprising:

an illumination unit;

a light body, comprising:

a light base having a battery compartment for receiving a replaceable battery therein to electrically connect to said illumination unit;

a light housing, having a transparent window, wherein said illumination unit is received in said light housing and is capable of producing light to outside through said transparent window; and

a pivot arm having a coupling end extended from said light housing and a pivot end pivotally connected to said light base in such a manner that said light housing is adapted to pivotally fold between a folded position and an unfolded position, wherein at said folded position, said pivot arm is pivotally folded towards said light base that said light housing is overlapped with said light base to form a compact structure, and at said unfolded position, said pivot arm is pivotally folded with respect to said light base that said light housing is outwardly extended from said light base to provide a projecting angle; and

a fastening device provided at a rear side of said light base for detachably fastening said light body at an interior of said vehicle.

27. The portable reading light, as recited in claim 26, wherein said fastening device comprises a belt fastener provided on said rear side of said light base for slidably fastening on a seat belt of said vehicle, in such a manner that said light base is capable of securely fastening on said seat belt in a slidably movable manner at a position below a shoulder portion of said user.

28. The portable reading light, as recited in claim 26, wherein said fastening device further comprises a first fastener provided on said rear side of said light and a second fastener adapted for attaching on a door of said vehicle, wherein said second fastener is detachably fastened with said first fastener for detachably mounting said light body at said interior of said vehicle.

29. The portable reading light, as recited in claim 27, wherein said fastening device further comprises a first fastener provided on said rear side of said light and a second fastener adapted for attaching on a door of said vehicle, wherein said second fastener is detachably fastened with said first fastener for detachably mounting said light body at said interior of said vehicle.

30. The portable reading light, as recited in claim 27, wherein said coupling end of said pivot arm is extended from a sidewall of said light housing and said pivot end of said pivot arm is rotatably mounted to a sidewall of said light base in such a manner that said pivot arm is pivotally folded to said folded position that said pivot arm is overlapped with said sidewall of said light base while said light housing is folded to overlap on a bottom side of said light base.

31. The portable reading light, as recited in claim 29, wherein said coupling end of said pivot arm is extended from a sidewall of said light housing and said pivot end of said pivot arm is rotatably mounted to a sidewall of said light base in such a manner that said pivot arm is pivotally folded to said folded position that said pivot arm is overlapped with said sidewall of said light base while said light housing is folded to overlap on a bottom side of said light base.

32. The portable reading light, as recited in claim 26, further comprising a switch control which comprises a switch button provided on said light housing to electrically connect to said illumination unit and a switching arm which is outwardly and integrally extended from said light base and is arranged in such a manner that when said light housing is folded into said folded position, said switching arm is driven to depress said switch button so as to switch off said illumination unit.

33. The portable reading light, as recited in claim 29, further comprising a switch control which comprises a switch button provided on said light housing to electrically connect to said illumination unit and a switching arm which is outwardly and integrally extended from said light base and is arranged in such a manner that when said light housing is folded into said folded position, said switching arm is driven to depress said switch button so as to switch off said illumination unit.

34. The portable reading light, as recited in claim 31, further comprising a switch control which comprises a switch button provided on said light housing to electrically connect to said illumination unit and a switching arm which is outwardly and integrally extended from said light base and is arranged in such a manner that when said light housing is folded into said folded position, said switching arm is driven to depress said switch button so as to switch off said illumination unit.